

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/048648 A2

(51) International Patent Classification⁷:

H04R

(21) International Application Number:

PCT/US2004/037639

(22) International Filing Date:

10 November 2004 (10.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/519,236 12 November 2003 (12.11.2003) US

(71) Applicant (for all designated States except US): **OTICON**
A/S [DK/DK]; Strandvejen 58, DK-2900 Hellerup (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOOTHROYD,**
Arthur [US/US]; 2550 Brant Street, San Diego, CA 92101
(US).

(74) Agent: **HENTY, David, L.**; Myers Dawes Andras & Sher-
man, LLP, 19900 MacArthur Blvd., Suite 1150, Irvine, CA
92612 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MICROPHONE SYSTEM

(57) Abstract: The invention relates to a method and a system for achieving increased directivity in listening situations where at least one microphone (1, 2, 3) is embedded in a first structure (11) and at least one microphone (4) is embedded in a second structure (10), the first and the second structure being freely movable relative to each other, the method comprising conveying a microphone signal from one structure (11) to a common processing unit (8) for the microphone signals in the other structure (10) and successively processing the signals for achieving a directional output based on the microphone input to both structures.



WO 2005/048648 A2